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(71) Applicant: **General Electric Company
Schenectady, NY 12345 (US)**

(72) Inventor: **Hoffmann, Till
49078, Osnabrück (DE)**

(74) Representative: **Bedford, Grant Richard
Global Patent Operation - Europe
GE International Inc.
15 John Adam Street
London WC2N 6LU (GB)**

(54) **Method and apparatus for load measurement in a wind turbine**

(57) The present invention provides a connecting device for connecting a hub (104) and a main shaft (112) of a wind turbine (100). The connecting device comprises at least one sensor bolt (201) connecting the hub (104) and the main shaft (112), wherein a stress detection element (203) is mounted inside the sensor bolt (201). The stress detection element (203) is adapted to detect a length variation of the sensor bolt (201) and to output a sensor signal indicative of the length variation of the sensor bolt (201). A signal output device is used for outputting the sensor signal which is indicative of a stress applied to the sensor bolt (201).

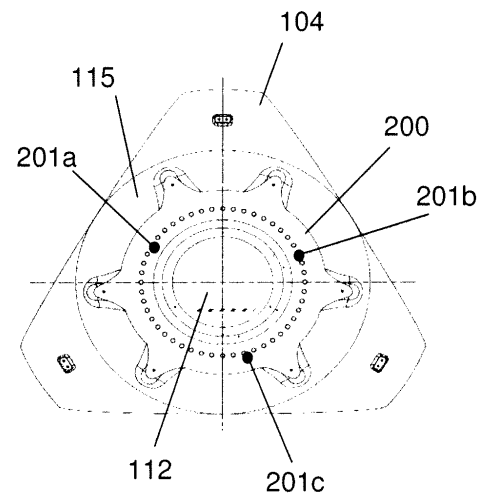


FIG. 3



EUROPEAN SEARCH REPORT

Application Number
EP 09 16 7792

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Place of search The Hague		Date of completion of the search 18 June 2013	Examiner Biloen, David
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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18-06-2013

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